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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/625,985		07/24/2003	Amardeep Singh	05516.103002	1712
	7590	11/12/2004		EXAM	IINER
ROSENTH	AL & O	SHA L.L.P.	WATTS, DOUGLAS D		
Suite 2800					
1221 McKin	nev		ART UNIT	PAPER NUMBER	
Houston, TX 77010				3724	

DATE MAILED: 11/12/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)				
	10/625,985	SINGH, AMARDEEP				
Office Action Summary	Examiner	Art Unit				
	Douglas D. Watts	3724				
The MAILING DATE of this communic Period for Reply	ation appears on the cover sheet w	ith the correspondence address				
A SHORTENED STATUTORY PERIOD FOR THE MAILING DATE OF THIS COMMUNIC - Extensions of time may be available under the provisions of after SIX (6) MONTHS from the mailing date of this communication of the period for reply specified above is less than thirty (30). - If NO period for reply is specified above, the maximum statused in the period for reply within the set or extended period for reply within the set or exte	ATION. 37 CFR 1.136(a). In no event, however, may a nication. days, a reply within the statutory minimum of thi tory period will apply and will expire SIX (6) MOI II, by statute, cause the application to become A	reply be timely filed rty (30) days will be considered timely. NTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).				
Status	,					
1) Responsive to communication(s) filed	on 02 July 2004.					
• • • • • • • • • • • • • • • • • • • •	n)⊠ This action is non-final.					
•	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4) ☐ Claim(s) 24-43 is/are pending in the a 4a) Of the above claim(s) is/are 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 24-26,29,31 and 39-43 is/are 7) ☐ Claim(s) 27,28,30 and 32-38 is/are ob 8) ☐ Claim(s) are subject to restricti Application Papers 9) ☐ The specification is objected to by the	e withdrawn from consideration. e rejected. e rejected to. on and/or election requirement.					
10) The drawing(s) filed on is/are:		by the Examiner.				
Applicant may not request that any objecti						
Replacement drawing sheet(s) including to the country of the count						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for a) All b) Some * c) None of: 1. Certified copies of the priority d 2. Certified copies of the priority d	ocuments have been received. ocuments have been received in a f the priority documents have been al Bureau (PCT Rule 17.2(a)).	Application No n received in this National Stage				
Attachment(s) 1) ☑ Notice of References Cited (PTO-892) 2) ☑ Notice of Draftsperson's Patent Drawing Review (PT-3) ☑ Information Disclosure Statement(s) (PTO-1449 or Paper No(s)/Mail Date 7/2/04.	O-948) Paper No	Summary (PTO-413) (s)/Mail Date Informal Patent Application (PTO-152)				

Application/Control Number: 10/625,985

Art Unit: 3724

DETAILED ACTION

Claim Rejections - 35 USC § 112

Claim 39 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Applicant claims a tooth with a convex profile or crest. Claim 39 claims a tooth with a concave profile. How can the profile be both convex and concave?

Claim Rejections - 35 USC § 103

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 24-26, 29, 31, 40-43 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Coulter (3,003,370).

Coulter shows teeth, in a rock drill, with convex profiles. The teeth are cut at least in part by a milling machine. See column 4 line 50. The entire top of the tooth is rounded so broadly one might say that the corners are radiused. However if not then it would have been obvious to radius the corners separately.

Regarding claims 41-43 substantially aligning the tooth crests with any line would apparently be obvious since it does not specify what the alignment is.

Allowable Subject Matter

Claims 27-28, 30, 32-38 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Douglas D. Watts whose telephone number is (703) 308-0153. The examiner can normally be reached on Mon.-Thurs...

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Allen Shoap can be reached on (703) 308-1082. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

DDW 11/8/04 Dough Death

Douglas D. Watts

Primary Examiner